

## **Appendix D**

## List of Acronyms and Abbreviations

### A

A/A	air-to-air
AADR	automation assisted dynamic rerouting
AAIRS	airport/air carrier information reporting system
ACD	automated radar terminal system color display
ACE	Aviation Capacity Enhancement
ACE-IDS	automated surface observing system controller equipment information display system
ACRA	airmen certification rating application
ACSEP	aircraft certification systems evaluation program
ACT	William J. Hughes Technical Center
ACTIONS	administration and compliance tracking in an integrated office network subsystem
AD	arrival departure
ADA	Americans with Disabilities Act
ADAS	automated weather observing system data acquisition system
ADL	aeronautical data link
ADS	automatic dependent surveillance
ADS-A	automatic dependent surveillance address
ADS-B	automatic dependent surveillance broadcast
AFAR	Automated Federal Regulation
aFAST	active final approach spacing tool
AFB	air force base
AFIS	automated flight inspection system
AFS	Flight Standards Service
AFSS	automated flight service station
AFSSVSR	automated flight service station voice switch replacement
AIDC	air traffic services interfacility data communications
AIM	Aeronautical Information Manual
AIR-21	Wendell H. Ford Aviation Investment Reform Act
A/G	air-to-ground
ALSF	approach lighting system with sequence flasher
ALSIP	approach lighting system improvement program
AMASS	airport movement area safety system
AME	Airman Medical Examiner
AMS	acquisition management system
AMSC	satellite telephone network
ANICS	Alaskan National Airspace System Interfacility Communications System
ANS	automated notification system
AOC	airline operations center
AOS	Operational Support Service
ARAC	Army Radar Approach Control
ARSR	air route surveillance radar
ARTCC	air route traffic control center
ARTS	automated radar terminal system
ASA	airborne separation assurance
ASAS	aviation safety analysis system
ASC	Office of System Capacity
ASCM	asset supply chain management
ASDE	airport surface detection equipment
ASI	aviation safety inspector
ASO	Office of the Regional Administrator, Southern Region

ASOS	automated surface observing system
ASPS	aircraft/scheduling performance system
ASR	airport surveillance radar
ASSA	airborne surveillance and separation assurance
ASSAP	airborne surveillance and separation assurance processing
ASWON	aviation surface weather observation network
ATB	Terminal Business Service
ATCBI	air traffic control beacon interrogator
ATCSCC	air traffic control system command center
ATCT	air traffic control tower
ATDET	Air Traffic Display System Replacement Evolution Team
ATDP	advanced technology development prototyping
ATM	Air Traffic Management
ATN	aeronautical telecommunications network
ATO	Air Traffic Operations
ATOP	advanced technologies & oceanic procedures
ATOS	air transportation oversight system
ATS	Air Traffic Services
ATTE	air traffic training enhancement
AUA	Director, Air Traffic Systems Development
AUTODIN	automatic digital network
AUTOMET	automated meteorological reports
AVOSS	advanced vortex spacing system
AVR	Associate Administrator for Certification and Regulation
AW	airport weather
AWIPS	advanced weather interactive processing system
AWOS	automated weather observing system
AWP	aviation weather processor
AWSS	automated weather sensors systems
<b>B</b>	
BAA	Broad Agency Announcement
BCS	buoy communications system
BLI	budget line item
BUEC	backup emergency communications
BWM	bandwidth manager
<b>C</b>	
C3	command and control communications
CAASD	Center for Advanced Aviation Systems Development (Mitre Corporation)
CADD	computer-aided design and drafting
CAEG	computer-aided engineering graphics
CAMI	Civil Aeromedical Institute
CAR	Caribbean
CARS	compliance assessment reporting system
CAST	Commercial Aviation Safety Team
CAT	category
CBI	computer-based instruction
CCLD	core capability limited deployment
CDM	collaborative decision-making
CDR	critical design review
CDTI	cockpit display of traffic information
CERAP	center radar approach control
CFE	communications facilities enhancements
CFIT	controlled-flight-into-terrain

CFMSS	computerized flight monitoring and scheduling system
CFR	Code of Federal Regulations
CHI	computer-human interface
CIP	Capital Investment Plan
CIWS	corridor integrated weather system
CMS	common message set
CMS	crisis management system
CNS	communications, navigation, and surveillance
CONOPS	concept of operations
COTS	commercial off-the-shelf
CPDLC	controller-pilot data link communications
CPDSS	covered position decision support subsystem
CRCT	collaborative routing and coordination tools
CSIRC	computer security incident response capability
CSI-TAC	Control Systems International-TAC
CST	Communications Support Team
CTAS	center terminal radar approach control automation system
CTS	critical telecommunications support
CTSU	contractor traffic simulation unit

## **D**

DARC	direct access radar channel
DASI	digital altimeter setting indicator
DBRITE	digital bright radar indicator tower equipment
DF	direction finder
DIN	designee information network
DIWS	document imaging workflow subsystem
DME	distance measuring equipment
DMN	data multiplexing network
DMS	defense messaging system
DOC	Department of Commerce
DoD	Department of Defense
DOT	Department of Transportation
DOTS+	dynamic ocean tracking system plus
DPS	data processing subsystem
DRVSM	domestic reduced vertical separation minima
DSP	departure spacing program
DSR	display system replacement
DUAT	direct user access terminal
DVD	digital versatile disc
DVRS	digital voice recorder system

## **E**

ECG	en route communications gateway
ECP	Environmental Compliance Plan
E/DA	en route descent advisor
EDARC	enhanced direct radar access channel
EDC	early display configuration
EDI	electronic data interchange
eDMS	electronic document management system
EDP	expedite departure path
EDS	explosive detection system
EDT	explosive detection technology
EFABS	en route facilities and building systems
EMSAW	en route minimum safe altitude warning

EMSS	en route communications gateway maintenance support system
EPA	Environmental Protection Agency
ERAM	en route automation modernization
ERIDS	en route information display system
ERSM	en route system modifications
ESI	enhanced direct radar access channel system interface
ETMS	enhanced traffic management system
ETVS	enhanced terminal voice switch

## **F**

FAA	Federal Aviation Administration
FAT	factory acceptance testing
FAAAC	Federal Aviation Administration Aeronautical Center
FAATC	Federal Aviation Administration Technical Center
FAATSAT	Federal Aviation Administration Telecommunications Satellite
FCA	functional configuration audit
FCC	Federal Communications Commission
FDIO	flight data input/output
FDR	final design review
F&E	facilities and equipment
FIAT	facilities information and analysis tool
FIS	flight information service
FIS-B	flight information service broadcast
FISDL	flight information services data link
FIST	Federal Aviation Administration Information Superhighway for Training
FL	flight level
FLS	Fire Life Safety
FM	frequency modulated
FOC	full operating capability
FONSI	Finding of No Significant Impact
FOQA	flight operational quality assurance
FOTS	fiber optic transmission system
FPPP	flight plan preprocessing
FPS	fingerprinting processing system
FS	full service
FSAS	flight services automation system
FSDPS	flight service data processing system
FSRS	facility security reporting system
FSRM	facility security risk management
FSS	flight service station
FTD	fixed time determination
FTI	Federal Aviation Administration Telecommunications Infrastructure
FY	fiscal year

## **G**

GA	general aviation
GAO	Government Accounting Office
GBAS	ground-based augmentation system
GBT	ground broadcast transceivers
GDP	gross domestic product
GDPE	ground delay program enhancements
GEO	geostationary communications satellite
G/G	ground-to-ground
GLS	global navigation satellite system landing system
GMCC	general national airspace systems maintenance control center

GNSS	global navigation satellite system
GOM	Gulf of Mexico
GOMP	Gulf of Mexico offshore program
GPRA	Government Performance and Results Act
GPS	global positioning system
GTE	government transition evaluations
GUS	ground uplink system

## H

HAATS	Houston Area Air Traffic System
HAZMAT	hazardous materials
HCS	host computer system
HFSSB	high frequency single side band
HOCSR	host/oceanic computer system replacement
HVAC	heating, ventilating, and air-conditioning

## I

I <sup>2</sup> F	Instruction and Interoperability Facility
IAPA	instrument approach procedures automation
ICAO	International Civil Aviation Organization
ICDLS	interim contractor depot logistics support
iCMM	integrated capability maturity model
IDU	initial daily use
IFP	instrument flight procedures
IFQA	integrated flight quality assurance
IFR	instrument flight rules
IGWDS	interim graphic weather display system
ILS	instrument landing system
IOC	initial operating capability
IOT&E	independent operational test and evaluation
IP	Internet Protocol
IPAS	instrument procedures automation system
IPT	integrated product team
IRD	initial requirements document
IRMIS	integrated rulemaking information system
ISC	initial systems configuration
ISD	interim situation display
ISS	information systems security
IT	information technology
ITWS	integrated terminal weather system

## J

JAI	joint acceptance inspection
JAR	joint aviation regulation
JRC	Joint Resources Council
JVAS	joint vulnerability analysis system

## L

LAAS	local area augmentation system
LAN	local area network
LED	light-emitting diode
LEO	low-earth orbit
LINCS	leased interfacility NAS communications system
LLWAS	low-level wind shear alert system
LNAV	lateral navigation

LOB	line-of-business
LORAN-C	long-range navigation – C system
LRR	long-range radar
LSF	Logistics Support Facility

## M

MALSR	medium-intensity approach light system with runway alignment indicator lights
MASPS	minimum aviation system performance standard
MBTS	monopulse beacon test sets
MDM	main display monitor
MDR	multi-mode digital radio
MHz	megahertz
MIAWS	medium intensity airport weather system
MicroEARTS	micro en route automated radar terminal system
MMAC	Mike Monroney Aeronautical Center
Mode-C	mode c (altitude reporting)
Mode-S	mode-select
MOPS	minimum operational performance standard
MPS	maintenance processor subsystem
MSSR	monopulse secondary surveillance radar

## N

NADIN	national airspace data interchange network
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NASDAC	national aviation safety data analysis center
NATCA	National Air Traffic Controllers Association
NCP	NAS Change Proposal
NCT	Northern California Terminal Radar Approach Control
NDB	non-directional beacon
NDBC	National Data Buoy Center
NDI	non-developmental item
NEXCOM	next generation air/ground communications system
NEXRAD	next generation weather radar
NFRAP	“no further remedial action planned”
NIMS	National Airspace System Infrastructure Management System
NIRS	noise integrated routing system
NISC	national airspace system implementation support contract
NLA	new large aircraft
nmi	nautical mile
NOCC	National Operational Control Center
NORAD	North American Air Defense Command
NOTAM	Notice to Airmen
NPA	non-precision approach
NPV	net present value
NRS	National Transportation Safety Board Recommendations System
NTSB	National Transportation Safety Board
NWS	National Weather Service

## O

OASIS	operational and supportability implementation system
OCC	operational control center
ODAPS	oceanic display and planning system
ODL	oceanic data link
OEP	Operational Evolution Plan

OMB	Office of Management and Budget
OPSS	operations specification subsystem
ORD	operational readiness date
ORPG	open radar products generator
OSH	occupational safety and health
OSHA	Occupational Safety and Health Administration
OST	Office of the Secretary of Transportation
OSTS	operational support telephone system
OT	operational testing
OT&E	operational test and evaluation

## **P**

P3I	pre-planned product improvement
PAF	project activity file
PAMRI	peripheral adapter module replacement item
PAPI	precision approach path indicator
PARR	problem analysis, resolution, and ranking
PASS	Professional Airways System Specialists
PBO	performance based organization
PC	personal computer
PCA	physical configuration audit
PCB&T	Personnel, Compensation, Benefits, and Travel
PCT	Potomac Terminal Radar Approach Control
PDARS	Performance Data Analysis Reporting System
PDD	Presidential Decision Directive
PDR	preliminary design review
PEM	position electronic module
pFAST	passive final approach spacing tool
PPSS	portable performance support system
PRM	precision runway monitor
PRS	parts reporting system
PSF	peripheral adaptor module replacement item support facility

## **R**

RACD	remote automated radar terminal system color display
RCAG	remote center air-to-ground
RCAS	radio coverage analysis system
RCE	radio control equipment
RCOM	recovery communications
R&D	research and development
RDT&E	research and development and test and evaluation
RDVS	rapid deployment voice switch
RE&D	research, engineering, and development
REIL	runway end identifier lights
RF	radio frequency
RFI	radio frequency interference
RFO	request for offer
RGL	Regulatory and Guidance Library
RIRP	runway incursion reduction program
RMMS	remote maintenance monitoring systems
RNAV	area navigation
RNP	required navigation performance
ROD	Record of Decision
RPM	revenue passenger miles
RTP	resource tracking program



RTR	remote transmitter/receiver
RVR	runway visual range
RVSM	reduced vertical separation minima
RWSL	runway status lights

## S

SAR	search and rescue
SARP	standards and recommended practices
SAS	standalone simulator
SASO	system approach for safety oversight
SAT	system acceptance test
SATCOM	satellite communications
SAWS	stand-alone weather sensors
SCAP	Security Certification and Authorization
SCS	secure conferencing system
SDAT	sector design analysis tool
SDP	service delivery point
SERC	Software Engineering Resource Center
SFAR	Special Federal Air Regulation
SIR	screening information request
SLEP	service life extension program
SMS	surface management system
SNI	simultaneous non-interfering
SOC	service operations center
SOIA	simultaneous offset instrument approach
SOW	statement of work
SPAS	safety performance analysis system
SR1000	System Requirements 1000
SRR	system requirements review
SSF	System Support Facility
SSR	secondary surveillance radar
STARS	standard terminal automation replacement system
STC	supplemental-type certificate
STE	secure telephone equipment
STU	secure telephone unit
STVS	small tower voice switch

## T

TACAN	tactical air navigation
TAIU	terminal automation interface unit
TAWS	terrain awareness and warning system
TCP	Transmission Control Protocol
TCU	terminal cluster control unit
TDLS	tower data link services
TDWR	terminal doppler weather radar
TERPS	terminal instrument procedures
TESIS	test and evaluation surveillance and information system
TFM	traffic flow management
TIMS	telecommunications information management system
TIS	traffic information service
TIS-B	traffic information service broadcast
TMA	traffic management advisor
TMA-SC	traffic management advisor-single center
TMA-MC	traffic management advisor-multi center
TMU	traffic management unit

TOTS	tower operating training system
TOY	time of year
TRACON	terminal radar approach control
TSA	Transportation Security Administration
TSO	technical standard order
TSSC	technical support services contract
TVSR	terminal voice switch replacement

## U

UAT	universal access transceiver
UHF	ultra high frequency
UPS	uninterruptible power supply
URET	user request evaluation tool
UWB	ultra-wideband

## V

VASI	visual approach slope indicator
VDL	very high frequency digital link
VEM	voice switching and control system electronic module
VERN	very high frequency extended range network
VF	vertical flight
VFR	visual flight rules
VHF	very high frequency
VNAV	vertical navigation
VOR	very high frequency omni-directional range
VORTAC	very high frequency omni-directional range collocated with tactical air navigation
VRRP	voice recorder replacement program
VSBP	voice switch by-pass
VSCS	voice switching and control system

## W

WAAS	wide area augmentation system
WAN	wide area network
WARP	weather and radar processor
WINS	weather information network system
WIPP	Wide Area Augmentation System Integrity Performance Panel
WJHTC	William J. Hughes Technical Center
WMS	wide area master station
WMSCR	weather message switching center replacement
WRC	World Radiocommunication Conference
WRS	wide area reference station
WSP	weather systems processor